

BS 04 Years & Associate Degree in Environmental Sciences

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
<u>GEN(NS)</u>		General	<u>3</u>
Functional English	GENG-101	General	<u>3</u>
Civics and Community Engagement	GCCE-101	General	<u>2</u>
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	<u>2</u>
Introduction to Environmental Science	ENSC-101	Major	<u>3</u>
Tarjuma-e-Quran	HQ-001	Compulsory	<u>0</u>
Fundamentals of Ecology	ENSC-108	Major	<u>3</u>
			Total Credit Hours 16
Semester 2			
<u>GEN(AH)</u>		General	<u>2</u>
Quantitative Reasoning (I)	GQR-101	General	<u>3</u>
Entrepreneurship	GENT-101	General	<u>2</u>
Ideology and Constitution of Pakistan	GICP-101	General	<u>2</u>
Basic Chemistry	ENSC-105	Interdisciplinary	<u>3</u>
Fundamentals of Ecology	ENSC-104	Major	<u>3</u>
Tarjuma-e-Quran	HQ-002N	Compulsory	<u>1</u>
Social Sciences-Anthropolgy	ENSC-106	Interdisciplinary	<u>2</u>
			Total Credit Hours 18
Semester 3			
Applications of Information and Communication Technologies	GICT-201	General	<u>3</u>
Expository Writing	GENG-201	General	<u>3</u>
Introduction to Earth Sciences	ENSC-203	Major	<u>3</u>
Environmental Chemistry	ENSC-202	Major	<u>3</u>
Environmental Physics	ENSC-201	Major	<u>3</u>
Tarjuma-e-Quran	HQ-003	Compulsory	<u>0</u>
Ideology and Constitution of Pakistan	GICP-101	Interdisciplinary	<u>2</u>
Time Managemnet & Organizational Skills	ENSC-204	Interdisciplinary	<u>2</u>
Pakistan Studies.	GPST-201	General	<u>2</u>
			Total Credit Hours 21
Semester 4			
<u>GEN(SS)</u>		General	<u>2</u>
Quantitative Reasoning (II)	GQR-201	General	<u>3</u>
Applied Ecology	ENSC-207	Major	<u>3</u>
Air & Noise Pollution	ENSC-206	Major	<u>3</u>
Mineral Resources & Environmental Sustainability	ENSC-205	Major	<u>3</u>
Tarjuma-e-Quran	HQ-004	Compulsory	<u>1</u>
Environmental Microbiology	ENSC-208	Major	<u>3</u>
Civics & Community Engagement	GCCE-201	Interdisciplinary	<u>2</u>
Enterpreurship	GENT-201	Interdisciplinary	<u>2</u>
			Total Credit Hours 22
Semester 5			
Enviornmnetal Economics	ENSC-305	Interdisciplinary	<u>3</u>
Research Methods in Environmnetal Sciences	ENSC-304	Interdisciplinary	<u>3</u>
Water Pollution	ENSC-303	Major	<u>3</u>
Analytical Techniques in Environmental Sciences	ENSC-302	Major	<u>3</u>
Solid Waste Management	ENSC-301	Major	<u>3</u>
Tarjuma-e-Quran	HQ-005	Compulsory	<u>0</u>
Initial Environmental Examination (IEE)	ENSC-306	Major	<u>2</u>
			Total Credit Hours 17
Semester 6			
Interdisciplinary		Interdisciplinary	<u>3</u>
Elective I	ENSC-311	Major	<u>2</u>
Environmental Impact Assessment	ENSC-309	Major	<u>3</u>
Water and Wastewater Treatment	ENSC-308	Major	<u>3</u>
Sustainable Development	ENSC-307	Major	<u>3</u>
Tarjuma-e-Quran	HQ-006	Compulsory	<u>1</u>
DATA ANALYSIS	ENSC-310	Major	<u>3</u>
Field work	ENSC-311	Interdisciplinary	<u>3</u>
			Total Credit Hours 21
Semester 7			
Capstone Project	ENSC-405	Major	<u>3</u>
Disaster Risk Management	ENSC-404	Major	<u>3</u>
Health Safety & Environment	ENSC-403	Major	<u>3</u>
Climate Change	ENSC-402	Major	<u>3</u>
Environmental Management System	ENSC-401	Major	<u>3</u>
Tarjuma-e-Quran	HQ-007	Compulsory	<u>0</u>
Elective II	ENSC-405	Major	<u>2</u>
			Total Credit Hours 17
Semester 8			
Thesis / Viva Voce Examination	ENSC-411	Major	<u>6</u>
Elective III	ENSC-409	Major	<u>3</u>
Environmental Governance Policy and Law	ENSC-408	Major	<u>2</u>
Biodiversity & Conservation	ENSC-407	Major	<u>3</u>
Geographical Information System & Remote Sensing	ENSC-406	Major	<u>3</u>
Tarjuma-e-Quran	HQ-008	Compulsory	<u>1</u>

Elective IV	ENSC-410	Major	3
			Total Credit Hours 21
			Signature